

REMARKS/ARGUMENTS

Claims 1-20 are in the application. Claims 1-20 stands rejection by the Examiner on grounds from the first Office Action dated September 26, 2003. The examiner's remarks failed to support a finding of obviousness of the applicant's claimed invention and has not provided any motivation to combine those cited references and also failed to outline how those references rendered the applicant's invention. Reconsideration is respectfully requested per the following amendment.

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CLAIMS

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1. (currently amended) [An] Advanced audio safety apparatus for a vehicle [or] and transportation equipment having at least a transmission means, a braking means, and a backing means, [for] wherein communication signal is enabled indicative of at least a predetermined mechanical operation of said vehicle for broadcasting said mechanical operation in human voice audio response thereon, comprising:
 - a. [a switch terminal responsive to enabling audio signal communication for a predetermined mechanical condition of a vehicle, said conditions having a potential to cause injury] At least a switch terminal means [responsive] responsible for energizing said communication means[.]; signal
 - b. a logic switch [,] means for [transmitting] identifying said energized communication signal indicative of coded data [in communication with data defined means, said means responsive for enabling voice auditory and signal communication with a processing unit] transmission [responsive] responsible for enabling at least a defined voice auditory in response to at least a prescribed predetermined mechanical operation of a vehicle[.];

c. at least a central processing unit for relaying and for retrieving said energized signal [in] indicative of communication with plurality switches responsive for initiating human voice auditory [communication] response referencing at least a prescribed mechanical operation of at least a vehicle[,];

d. means for transforming said energized [signal] communication signal into [selective] pre-selective human voice auditory signal indicative of vehicle normal mechanical operation[,];

e. [a system of hardware with ^{an} internal logical interface means in communication with said central processing unit[,];

A1 { f. at least a voltage suppressor means in communication with said internal logical interface means responsive for filtering out unwanted voltage[,]; }

g. a braking [chip] means in communication with at least a braking chip, wherein said braking chip means enables communication with said central processing unit[,];

h. an automatic [controller] controlling means in communication with [said] at least a switch terminal means [enabling] for allowing operation of said [a] controlled energy [source for] means, wherein said control energy means enables comparing coded signals [with requisite target] indicative of operative target for at least a predetermined mechanical operation, for enabling human voice auditory [signal] responses unique to at least said switch terminal energy source[,];

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i. [a] database.[system] means responsive for [a] data dictionary, said data dictionary defining unique and prescribed human voice auditory messages in communication with [said system of hardware] at least a logic interface means for selectively broadcasting [selective] said defined human voice auditory [and signal] response indicative of at least a discernible message[,];

j. human voice auditory [a] sound chip means [in] for [communication] communicating with said database [system] means [,] responsive for said human voice auditory output, for emitting [voice auditory sound and signal] responses indicative of safety [in] warning [of a] in response to potentially predetermined mechanical operation associated with the operation of at least a vehicle[.];

k. a [processor] processing means in communication with said database system; and

l. an [amplifier] amplifying means in communication with said voice auditory sound chip, for [generating an amplified voice auditory and signal communication] amplifying said human voice auditory communication signal.

2. (currently amended) [An] Advanced audio safety apparatus as claimed in claim 1, wherein said [activation] switch [being in] terminal enables communication [with] signal indicative of at least a vehicle['s] transmission in a reverse mode, for [outputting a prescribed selective] initiating selective and prescribed human voice auditory [response and signal when said transmission is motioned in a reverse mode for] communication signal to at least a passer-by [thereof] external and rearward to the vehicle in response to said vehicle reverse motion.

3. (currently amended) [An] Advanced audio safety apparatus as claimed in claim[1] 2, wherein said [braking chip is responsive to activating voice and signal communication when a vehicle's brake is applied] switch terminal enables communication signal to at least a data identifying means indicative of at least a defined pre-mechanical operation of at least a vehicle, said pre-mechanical operation enables selective and prescribed data transmission through energized communication signal indicative of said data responsive for at least a unique human voice auditory in recognition of said predetermined mechanical operation of a t least a vehicle component.

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4. (currently amended) [An] Advanced audio safety apparatus as claimed in claim[1] 3, wherein said [voice and signals are emitted to delay] logical interface means comprising a central processing unit for communicating said energized signal from at least a switch terminal means to a database means responsive for initiating said human voice auditory signal indicative of operational behavior of at least a vehicle to at least a delay for broadcasting and delaying [signals] said responses in repeating times to a passer-by external to the vicinity of said vehicle.
5. (currently amended) [A] Advanced audio safety apparatus as claimed in claim[1] 4, wherein said [predetermined mechanical operation is a prescribed mechanical or electromechanical operation of a vehicle's component] operational behavior of at least a vehicle includes at least a vehicular component, and wherein said vehicular component having a switch terminal means for signaling upon activation indicative of predetermined mechanical operation of said vehicle, said mechanical operation enables communication between said switch terminal means and at least an automatic controlling means for allowing operational control of energy means to enable communication signal indicative of at least a human voice auditory responses unique to said vehicle component and switch terminal output source.
6. (currently amended) [A] Advanced audio safety apparatus as claimed in claim[1] 5, wherein said [hardware component includes communication devices for transmitting and receiving signals or electrical pulses responsive for enabling defined selective voice auditory sound through a waterproof speaker] central processing unit comprising at least a sound chip in communication with database means responsible for outputting coded signal indicative of predetermined mechanical operation of at least a vehicle, and wherein said coded signal operable in human voice auditory response through amplifying means to at least a water proof speaker for enabling signal emission to at least a vicinity of said vehicle operation.

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7. (currently amended) [A] Advanced audio safety apparatus as claimed in claim[1] 6, wherein said predetermined mechanical operation defines an alerting condition [is an extended motion of a school vehicle stop sign arm attached to the side of a vehicle, responsive for allowing current pulses to flow to at least an input terminal, enabling selected voice auditory signal communication for broadcasting thereof] whereby at least an operating vehicle influences attention on a passenger and passer-by during normal vehicle operation, includes school bus stop sign arm comprising a switch terminal responsive for enabling communication signal indicative of predetermined mechanical operation of said vehicle reflective to human voice auditory response indicative of at least an intended unique mechanical operation of said vehicle.
8. (currently amended) [A] Advanced audio safety [device] apparatus as claimed in claim[1] 7, wherein said predetermined mechanical condition [is the motion of a tailgate of a dumping vehicle or a raised bed of a front-end loader vehicle], includes operation of at least a tailgate of at least a dump truck, and wherein said tailgate comprises a switch terminal for enabling communication indicative of operational sequences when being raised, and further comprises a bed of at least a front-end loader vehicle responsive for allowing current pulses to enable selected human voice auditory communication [for broadcasting thereof] in response to said mechanical operation for broadcasting thereon.
9. (currently amended) [A] Advanced audio safety [device] apparatus, as claimed in[1] 8, wherein said [amplifier is responsive for empowering a broadcasting auditory sound through a waterproof speaker, said speaker located near a noise producing portion of the said vehicle, or built inside] means for enabling said discernable message in response to said output from at least a switch terminal for a vehicle component responsible for outputting electrical energy, said electrical energy responsive for activating signal communication means in response to said switch terminal output for enabling human voice auditory signal communication

in response to specific vehicle component pre-mechanical operation through at least a speaker means.

10. (currently amended) [A safety warning process for communicating with pedestrians, vehicle drivers, and vehicle passengers thereof, said process comprising steps:] Advanced audio safety apparatus for a vehicle and transportation equipment for communicating to pedestrians, vehicle drivers, and vehicle passengers in human voice auditory response, includes at least a logic interface means for enabling interactive signal communication to at least an electronic amplifying means, wherein said electronic amplifying means empowers at least coded data responsive for communicating with at least a vehicle component, and wherein said coded data indicative of signal transmission from at least an assigned switch terminal means for enabling broadcasting of selective and prescribed human voice auditory response through at least a waterproof speaker, comprising;

- a. human voice auditory sound chip;
- b. means for enabling at least a discernible message;
- c. speaker means for broadcasting said discernable message;
- d. school bus vehicle for outputting said broadcasting message;
- e. plurality industrial vehicles for outputting said broadcasting message;
- f. central processing unit for coordinating and processing signal communication.

11. (currently amended) [The safety warning process for alerting pedestrians, vehicle driver, vehicle passengers, according to claim 10, wherein said predetermined mechanical condition of a vehicle occurs when a transmission is shifted to a reverse mode, enabling electrical pulses responsive for a prescribed voice auditory signal communication] Advanced audio safety apparatus as claimed in 10, wherein said vehicle component indicative of vehicle predetermined

mechanical operation comprising at least a transmission means operable in at least a reverse mode, a parking brake means operable in releasing mode, a stop sign arm operable in extending mode, a concrete mixer vehicle operable in funneling mode, vehicle tailgate operable in opening mode, and a vehicle bed operable in raising mode, for energizing said central processing unit responsive for coordinating selective and prescribed discernable message in response to said switch terminal output indicative of said human voice auditory response.

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12. (currently amended) [The] Advanced audio safety [warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, wherein said predetermined mechanical condition of a vehicle occurs when a school bus sign arm is extended, enabling electrical pulse responsive for a prescribed voice auditory signal communication from a defined data source] apparatus as claimed in 11, wherein said sound chip responsively activating said discernable message for alerting pedestrians, vehicle drivers, and vehicle passenger in human voice auditory response indicative of at least a predetermined mechanical operation of a vehicle component
13. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, wherein said predetermined mechanical condition of a vehicle occurs when a driver attempts to release a vehicle's parking brake, enabling electrical pulses responsive for a prescribed voice auditory signal communication] Advanced audio safety apparatus as claimed in 12, wherein said discernable message for alerting pedestrians, vehicle drivers, and vehicle passengers includes at least a school bus and industrial and/or commercial vehicle operation responsively outputting selective and predefined human voice auditory in response to a switch terminal energy representative of at least a pre-mechanical operation of a vehicle component.

14. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, wherein said predetermined mechanical condition of a vehicle occurs when any of a vehicle's tailgate is open, or vehicle's bed is raised, or a cement mixer vehicle is performing a funneling operation] Advanced audio safety apparatus as claimed in 13, wherein said discernable message for alerting pedestrians, vehicle drivers, and vehicle passengers further includes vehicle devices and equipment operation in accordance with vehicle pre-mechanical operation for outputting said discernable message in response to said pre-mechanical operation of said devices and equipment operation for enabling human voice auditory responses indicative of operation.

15. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, wherein said voice auditory response and signal communication are enabled by a processor and produced by a sound chip] A warning process for advanced audio safety apparatus in a vehicle communicating pedestrians, vehicle drivers, and vehicle passengers for enabling forcible means of controlling the resultant behavior of said vehicle driver, said vehicle passenger, and said pedestrians upon operation of said vehicle, said process comprising steps of:

a. activating a switch terminal, said switch terminal responsible for initiating signal communication in response to predetermined mechanical conditions of a vehicle, said condition having a potential to cause injury to at least a person;

b. providing current pulses from a switch terminal to a receiving means for transmitting signal to at least a device for initiating responses responsive for outputting voice auditory communication signal;

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c. transforming said current pulses into control energy responsible for enabling communication signal indicative of emitting representation of human voice auditory message representation of at least a specific pre-mechanical operation of a vehicle responsive for said at least a switch terminal operation;

d. dividing said energy into a predetermined controlled energy and comparing said energy with pre-selected data representation of said energy source for generating communication signal thereof;

e. emitting at least a discernable message representation of said energy source, wherein said message enables communicating educational safety steps for safeguarding accidents, and wherein said energy source enables broadcasting said message in at least a human voice auditory responsive to comprehensive communication at a vicinity of said vehicle operation;

f. amplifying said human voice auditory message to at least a speaker means for transmitting said message audibly within a localized covering area for people both inside and outside of said vehicle.

16. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim10, wherein said auditory response may be selected from a predefined set of sound chip, responsive for voice auditory response] A warning process for advanced audio safety apparatus as claimed in15, wherein said steps for alerting pedestrians, vehicle driver, and vehicle passengers indicative of at least a predetermined mechanical operation of a vehicle occurring when at least a transmission is engage in a reverse mode during normal vehicle operation, for enabling electrical pulses responsible for initiating a selective and prescribed human voice auditory communication signal thereon.

17. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, wherein said sound signal response is selected from a predefined set of sound chip, responsive for prescribed voice and or horn auditory signals] A warning process for advanced audio safety apparatus as claimed in 16, wherein said steps for alerting pedestrians, vehicle drivers, and vehicle passengers indicative of at least a predetermined mechanical operation of a vehicle occurring when at least a school bus stop sign arm is extending, for enabling electrical pulses responsible for initiating a prescribed human voice auditory communication signal thereon.
18. (currently amended) [The safety warning process for alerting pedestrians, vehicle drivers, and vehicle passengers, according to claim 10, including means, said means repeating said voice auditory and or horn auditory response over a predetermined delay intervals] A warning process for advanced audio safety apparatus as claimed in 17, wherein said steps for alerting pedestrians, vehicle drivers, and vehicle passengers indicative of at least a predetermined mechanical operation of a vehicle, occurs when a driver of at least a vehicle attempts to release the vehicle's parking brake, enabling electrical pulses responsible for initiating a prescribed human voice auditory communication signal.
19. (currently amended) [An audio safety device, as claimed in 1, wherein said switch terminal is responsive for automatic means, for initiating electrical pulses thereof] A warning process for advanced audio safety apparatus as claimed in 18, wherein said warning process for alerting pedestrians, vehicle drivers, and vehicle passengers indicative of vehicle predetermined mechanical operation comprising at least a transmission means operable in at least a reverse mode, a parking brake means operable in releasing mode, a stop sign arm operable in extending mode, a concrete mixer vehicle operable in funneling mode, vehicle tailgate operable in opening mode, and a vehicle bed operable in raising mode, for energizing said central processing unit responsive for coordinating selective and prescribed discernable message in response to said switch terminal output.

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20. (currently amended) [An audio safety device, as claimed in 19, wherein said automatic means comprising a transmission shifting into a reverse mode, a parking brake releasing, a stop sign arm extending, a mixer vehicle funneling concrete, vehicle tailgate, or vehicle bed raised] A warning process for advanced audio safety apparatus as claimed in 19, wherein said steps for alerting pedestrians, vehicle drivers, and vehicle passengers, including means for enabling repeating broadcasting of said voice auditory message and horn auditory communication over a predetermined delay intervals.
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